

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 2003/002020

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: F02F 1/22, F02B 25/22, F02B 33/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: F02F, F02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 20030106507 A1 (OLANDER), 12 June 2003 (12.06.2003), figures 1-6, abstract --	
A	US 2002043227 A1 (CARLSSON ET AL), 18 April 2002 (18.04.2002), figures 1-8, abstract --	
A	WO 0043660 A1 (AKTIEBOLAGET ELECTROLUX), 27 July 2000 (27.07.2000), figures 1-4, abstract --	
E	US 6712029 B1 (ANDERSSON ET AL), 30 March 2004 (30.03.2004), figures 1-4, abstract --	

 Further documents are listed in the continuation of Box C. See patent family annex.

- * Special categories of cited documents
- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier application or patent but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed
- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *&* document member of the same patent family

Date of the actual completion of the international search 24 June 2004	Date of mailing of the international search report 13-07-2004
Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. +46 8 666 02 86	Authorized officer Dan Ionesco / JA A Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT
Information on patent family members

30/04/2004

International application No.
PCT/SE 2003/002020

US	20030106507	A1	12/06/2003	NONE
US	2002043227	A1	18/04/2002	AU 2336600 A 07/08/2000 AU 2336700 A 07/08/2000 AU 2648799 A 23/08/1999 CA 2319808 A 12/08/1999 DE 60009266 D 00/00/0000 EP 1144833 A,B 17/10/2001 EP 1153208 A 14/11/2001 JP 2002535546 T 22/10/2002 NO 20003690 A 04/10/2000 SE 513446 C 11/09/2000 SE 9900138 A 20/07/2000 US 6260216 B 17/07/2001 US 6712029 B 30/03/2004 WO 0043650 A 27/07/2000 WO 0043660 A 27/07/2000 AU 3201000 A 24/07/2001 EP 1120377 A 01/08/2001 EP 1169556 A 09/01/2002 JP 2003519747 T 24/06/2003 SE 0000058 A 12/07/2001 WO 0151783 A 19/07/2001 AU 3201100 A 24/07/2001 BR 0016930 A 19/11/2002 CA 2395708 A 19/07/2001 EP 1248901 A 16/10/2002 JP 2003519749 T 24/06/2003 SE 515917 C 29/10/2001 SE 0000059 A 12/07/2001 US 6668770 B 30/12/2003 US 2003005895 A 09/01/2003 WO 0151785 A 19/07/2001
WO	0043660	A1	27/07/2000	AU 2336600 A 07/08/2000 AU 2336700 A 07/08/2000 AU 2648799 A 23/08/1999 CA 2319808 A 12/08/1999 DE 60009266 D 00/00/0000 EP 1144833 A,B 17/10/2001 EP 1153208 A 14/11/2001 JP 2002535546 T 22/10/2002 NO 20003690 A 04/10/2000 SE 513446 C 11/09/2000 SE 9900138 A 20/07/2000 US 6260216 B 17/07/2001 US 6712029 B 30/03/2004 US 2002043227 A 18/04/2002 WO 0043650 A 27/07/2000

INTERNATIONAL SEARCH REPORT
Information on patent family members

30/04/2004

International application No.
PCT/SE 2003/002020

US	6712029	B1	30/03/2004	AU	2336600	A	07/08/2000
				AU	2336700	A	07/08/2000
				AU	2648799	A	23/08/1999
				CA	2319808	A	12/08/1999
				DE	60009266	D	00/00/0000
				EP	1144833	A,B	17/10/2001
				EP	1153208	A	14/11/2001
				JP	2002535546	T	22/10/2002
				NO	20003690	A	04/10/2000
				SE	513446	C	11/09/2000
				SE	9900138	A	20/07/2000
				US	6260216	B	17/07/2001
				US	2002043227	A	18/04/2002
				WO	0043650	A	27/07/2000
				WO	0043660	A	27/07/2000